



GE Silicones

FORMAT: USA

MATERIAL SAFETY DATA SHEET

PRODUCT: GE50B.03

SILICONE SEALANT, METHOXY CURE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

GE SILICONES

260 HUDSON RIVER ROAD

WATERFORD, NY 12188

SUPPLIED BY:

GE SILICONES

260 HUDSON RIVER ROAD

WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

(518) 237-3330

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(518) 237-3330

REVISED: 01/30/03

PREPARER: B. JAVOREK

CHEMICAL FAMILY/USE: SILICONE RUBBER SEALANT

FORMULA: MIXTURE

2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	OSHA PEL STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
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HAZARDOUS

METHYLTRIMETHOXYSLANE

1185-55-3	1-5	200 (R) NE	200 (R) NE			PPM
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HEXAMETHYLDISILAZANE

999-97-3	1-5	25 (R) NE	35 STEL NE			(R) PPM
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DISTILLATES, PETROLEUM, HYDROTREATED

LIGHT

64742-47-8	5-10	NE	NA	NE	NA	NA
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ARSENIC

7440-38-2	45PPB	0.2	NE	0.5	NE	MG/M3
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LEAD POWDER

7439-92-1	2PPM	.15	NE	.05	NE	MG/M3
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BERYLLIUM

7440-41-7	30PPB	.002	NA	.002	NA	MG/M3
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CADMIUM

7440-43-9	90PPB	.05	NE	0.2	NE	MG/M3
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2. NON-HAZARDOUS

ME-DIMETHOXY/STPD POLYDIME-SILOXANE

68037-58-1	30-60	NE	NE	NE	NE	NA
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DIMETHYLPOLYSILOXANE

63148-62-9	10-30	NE	NA	NE	NA	NA
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TETRAMER TREATED FUMED SILICA

68583-49-3	10-30	10	NE	15	NE	MG/M3
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See Section 15 for description of any WHMIS Trade Secret(s).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

WARNING!

May be harmful if swallowed, inhaled, or absorbed through skin.

Irritating to skin, eyes, and respiratory tract.

May cause central nervous system depression.

Ammonia odor

Black solid

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

May cause central nervous system effects.

May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

May be absorbed through skin and produce effects as listed under "Ingestion".

INHALATION:

Causes mild respiratory irritation.

Applies only in uncured state.

May also cause other effects as listed under "Ingestion".

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

Pre-existing skin or respiratory diseases.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

Central nervous system

Skin

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Oral.

Dermal - skin.

Eyes.

Inhalation.

Absorption through skin.

OTHER:

Methanol released during curing.

This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for formaldehyde is available from GE Silicones.

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4. FIRST AID MEASURES  
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INGESTION:

Do not induce vomiting. If victim is conscious, give 1-3 glasses of water to drink. Never give anything by mouth to an unconscious person. Get medical attention if irritation persists.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

Get medical attention if irritation persists.

INHALATION:

If inhaled, remove to fresh air. If not breathing give artificial respiration using a barrier device. If breathing is difficult give oxygen. Get medical attention.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

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5. FIRE FIGHTING MEASURES  
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FLASH POINT:	NA	(C) NA	(F)
METHOD	:	NA	
IGNITION TEMP	:	UNKN	(C) UNKN (F)
FLAMMABLE LIMITS IN AIR - LOWER (%):	NA		

FLAMMABLE LIMITS IN AIR - UPPER (%): NA

SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO

SENSITIVITY TO STATIC DISCHARGE:

Sensitivity to static discharge is not expected.

EXTINGUISHING MEDIA:

All standard firefighting media

SPECIAL FIREFIGHTING PROCEDURES:

Firefighters must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

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## 6. ACCIDENTAL RELEASE MEASURES

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ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Wipe, scrape or soak up in an inert material and put in a container for disposal.

Wash walking surfaces with detergent and water to reduce slipping hazard.

Wear proper protective equipment as specified in the protective equipment section.

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## 7. HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Keep container closed when not in use.

Avoid contact with skin and eyes.

Use only in a well ventilated area.

Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the finger-

tips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.

Product releases methanol during application and curing.

Product releases ammonia during application and curing.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

Showers and eyewash stations. See "Ventilation" below.

### RESPIRATORY PROTECTION:

If exposure limits are exceeded or respiratory irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Supplied air respirators may be required for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA regulations (see 29 CFR 1910.134).

### PROTECTIVE GLOVES:

Cloth gloves.

### EYE AND FACE PROTECTION:

Safety glasses.

### OTHER PROTECTIVE EQUIPMENT:

Wear eye protection and protective clothing.

### VENTILATION:

Ventilation and other forms of engineering controls are preferred for controlling exposures. Respiratory protection may be needed for non-routine or emergency situations.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NA		
VAPOR DENSITY (AIR=1)	:	NA		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	AMMONIA		
COLOR	:	BLACK		
ODOR THRESHOLD (PPM)	:	46.8		
% VOLATILE BY VOLUME	:	NA		
EVAP. RATE (BUTYL ACETATE=1)	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.05		
DENSITY (KG/M3)	:	1048		
ACID/ALKALINITY (MEQ/G)	:	UNKNOWN		
PH	:	NA		
VOC EXCL.H2O & EXEMPTS (G/L)	:	27		
SOLUBILITY IN WATER (20 C)	:	INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:	PARTIAL IN TOLUENE		

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10. STABILITY AND REACTIVITY  
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STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide.

Carbon dioxide.

Silicon dioxide.

Methanol.

Ammonia.

INCOMPATIBILITY (MATERIALS TO AVOID):

None known.

CONDITIONS TO AVOID:

Vapor and/or liquid react with water to form ammonia.

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11. TOXICOLOGICAL INFORMATION  
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PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): UNKNOWN

ACUTE DERMAL LD50 (MG/KG): UNKNOWN

ACUTE INHALATION LC50 (MG/L): UNKNOWN

OTHER:

None.

AMES TEST: UNKNOWN

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12. ECOLOGICAL INFORMATION  
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ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time

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13. DISPOSAL CONSIDERATIONS  
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DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION  
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DOT SHIPPING NAME: NONE

DOT HAZARD CLASS: NOT DOT REGULATED

DOT LABEL(S): NONE

UN/NA NUMBER: NONE

PLACARDS: NONE

IATA:

NOT REGULATED BY IATA

IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION

EMS No: NA

EUROPEAN CLASS:

RID (OCTI): NONE

ADR (ECE) : NONE

RAR (IATA): NONE

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15. REGULATORY INFORMATION  
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SARA SECTION 302:

None Found

SARA (311,312) HAZARD CLASS:

ACUTE HEALTH HAZARD

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION: NA

WHMIS HAZARD CLASS:

D2A VERY TOXIC MATERIALS

D2B TOXIC MATERIALS

WHMIS TRADE SECRET:

None

EXPORT:

SCHDLE B/HTSUS: 3910.00 Silicones in Primary Form

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 1

NFPA HEALTH = 1, FLAMMABILITY = 0 , REACTIVITY = 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS

WHICH ARE LISTED BELOW:

LEAD (7439-92-1)

BERYLLIUM (7440-41-7)

ARSENIC (7440-38-2)

CADMIUM (7440-43-9)

NONE

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16. OTHER INFORMATION  
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This product or its components are on the European inventory of  
existing commercial chemicals (EINECS).....

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These data are offered in good faith as typical values and not  
as product specifications. No warranty, either expressed or  
implied, is made. The recommended industrial hygiene and safe  
handling procedures are believed to be generally applicable.  
However, each user should review these recommendations in the  
specific context of the intended use and determine whether they

are appropriate.

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C = ceiling limit	NEGL = negligible
EST= estimated	NF = none found
NA = not applicable	UNKN = unknown
NE = none established	REC = recommended
ND = none determined	V = recomm. By vendor
By-product = reaction by-	SKN = skin
product, TSCA inventory	TS = trade secret
status not required under	R = recommended
40 CFR part 720.30(h-2)	MST = mist
STEL = short term exposure	NT = not tested
limit	

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California Proposition 65:

WARNING! This product contains a chemical known to the State of California to cause cancer, birth defects, or other reproductive harm.

All chemical substances in this material are included on or exempted from listing on the TSCA inventory.

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